

ABSTRACT

The present application describes a system and method for converting randomly polarized light into linearly polarized light without absorption loss to improve the brightness of a liquid crystal display system. According one embodiment, the liquid crystal display system includes an optical converter module configured to convert the randomly polarized light into linearly polarized light. The optical converter module is configured to convert the polarization of a first polarized component of the randomly polarized light to be substantially similar to a second polarized component. The optical converter module transmits the first and second polarized components having substantially similar polarization.